

Abstract

The invention relates to a process for synchronization in a communication network comprising at least two buses interconnected by a wireless communication network, each bus being linked to the wireless communication network by a portal.

The process comprises the steps of determining a so-called cycle server portal whose own clock will serve as reference for the other portals; of transmitting, via each portal, a synchronization signal at a predetermined instant with respect to the start of a frame and characteristic of each portal, the said frame being defined with respect to each portal's own internal clock, the said synchronization signal being achieved via the insertion of a control window; of detecting, via each portal, the control windows of other portals and of selecting one of the detected windows for the synchronization of the receiver portal's own clock with the clock of the cycle server portal, the said selected window corresponding to a portal whose clock is already synchronized with that of the cycle server portal.

The subject of the invention is also receiver and transmitter apparatuses implementing the process.

Figure 2

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